

BATTERY

STORE ELECTRICITY



SWITCH

ON/OFF

START/STOP FLOW  
of electricity

OFF = OPEN

ON = CLOSED



VOLTAGE - ACROSS AN  
OBJECT  
USUALLY STORED IN  
A BATTERY

PUMP IN SYSTEM

VOLTS = V — UNITS

Voltage = V — SYMBOL

CURRENT - Flow of  
electricity - movement  
of electrons.

CURRENT  $\Rightarrow I$

measured in Amps (A)

Power — A measure of  
voltage + current

Symbol =  $P$

measure = WATTS (W)

Resistance - the Amount  
of RESTRICTION AN OBJECT  
DEMONSTRATES TO the flow of  
electricity

metals low Resistance  
CONDUCTORS

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INSULATORS have high  
Resistance -

WOOD - RUBBER - H<sub>2</sub>O (Pure)  
PLASTIC - GLASS - PAPER

SYMBOL  $\Rightarrow R$   
UNITS — OHMS  $\Omega$